ch3 co2h

Sign in

AI Mode All Shopping Images Videos Forums Short videos More Tools

AI Overview

CH3CO2H (also widely written as **CH3COOH**) is the chemical formula for **acetic acid**, the primary active component of vinegar. It is a simple, colorless weak organic acid that gives vinegar its distinct pungent sour smell and taste. Wikipedia +3

Key Properties & Facts

- **Systematic Name:** Ethanoic acid
- **Molecular Formula:** $C_2H_4O_2$
- **Molecular Weight:** 60.05 g/mol
- **Melting Point:** 16-17 ° C
- **Boiling Point:** 118-119 ° C
- **Acidity ( ):** 4.76 Wikipedia +2

Common Uses

- **Food & Cooking:** Found in household vinegar (typically 4-8% acetic acid) and as a flavoring or preservative. Wikipedia +2
- **Industrial Manufacturing:** Used to create chemical precursors like vinyl acetate monomer, which goes into making various plastics and adhesives. National Institutes of Health (.gov) +2
- **Cleaning:** Acts as a highly effective, natural household cleaner and descaler.
- **Medical/Laboratory:** Glacial acetic acid is often used in laboratories and medical treatments (such as wart removal or ear canal infections).

You can dive deeper into its chemical bonds and structure by exploring the Purdue University Chemistry Resource or checking its full profile on the PubChem Database.

Would you like to know more about:

- **How to safely handle** concentrated acetic acid?
- The **chemical reactions** it undergoes in organic chemistry?
- Specific **concentrations and their everyday uses**?

Let me know what you'd like to explore next!

6 sites

Acetic acid - Wikipedia

Acetic acid /əˈsiːtɪk/, systematically named ethanoic acid /ˌɛθəˈnoʊɪk/, is an acidic, colourless liquid and organic compound with...

Wikipedia

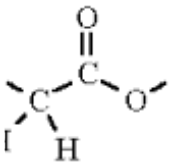
Acetic Acid | CH3COOH | CID 176 - PubChem - NIH

Oct 22, 2022 — Acetic acid, glacial appears as a clear colorless liquid with a strong odor of vinegar. Flash point 104 °F. Density 8.8 lb / gal. ...

National Institutes of Health (.gov)

Acetic Acid Formula & Structure

Acetic Acid Formula & Structure. Structural Formula. CH3CO2H. acetic acid.



Purdue Chemistry

Show all

Ask anything

People also ask

What is CH3CO2H called?

Is CH3COOH the same as CH3CO2H?

What is CH3COO called?

What is the structure of CH3CO2H?

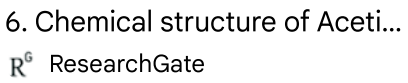
Wikipedia
https://en.wikipedia.org › wiki › Acetic_acid

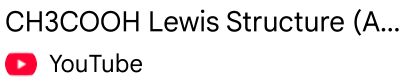
Acetic acid

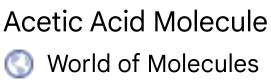
To better reflect its structure, acetic acid is often written as CH 3−C(O)OH, CH 3−C(=O)−OH, CH

To better reflect its structure, acetic acid is often written as CH 3−C(O)OH, CH 3−C(=O)−OH, CH 3COOH, and **CH 3CO 2H**. In the context of acid–base ...

Images

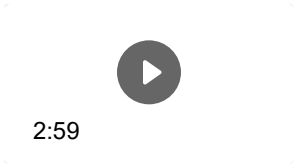

6. Chemical structure of Aceti...
ResearchGate


CH3COOH Lewis Structure (A...
YouTube


Acetic Acid Molecule
World of Molecules

Show more images

Videos


2:59

CH3COOH Lewis Structure (Acetic acid)

YouTube · Geometry of Molecules
May 12, 2022

Learn to determine the Lewis structure for CH3COOH (acetic acid) by calculating valence electrons and understanding functional groups.

16.55 | Acetic acid, CH3CO2H, can form a dimer, (CH3CO2H ...

YouTube · The Glaser Tutoring Company

11:00

YouTube · The Glaser Tutoring Company

Oct 5, 2022

Calculate the change in entropy (ΔS) for the dimerization of acetic acid using the Gibbs free energy equation.

1:30

IUPAC Name for Acetic acid (CH3COOH or HC2H3O2)

YouTube · Wayne Breslyn (Dr. B.)

Apr 25, 2022

The IUPAC name for acetic acid is acetic acid, also systematically known as ethanoic acid, a carboxylic acid.

1:09

CH3COOH Lewis Structure (Acetic acid)

YouTube · Wayne Breslyn (Dr. B.)

Jun 6, 2013

Drawing the CH3COOH (acetic acid) Lewis structure involves understanding the **COOH** functional group and counting valence electrons.

View all

National Institutes of Health (.gov)

https://pubchem.ncbi.nlm.nih.gov › compound › Acetic...

Acetic Acid | CH3COOH | CID 176 - PubChem - NIH

Glacial acetic acid is a 99% active chemical. It is used as an acidifier, flavoring agent, for the prevention of rope in baking, and as a solvent. Acetic acid ...

YouTube · The Glaser Tutoring Company

3.1K+ views · 4 years ago

13.45 | Acetic acid is a weak acid that reacts with water ...

10:52

We're working with acetic acid which is **ch3 co2h** that's aqueous plus h2o that's a liquid and this will come to equilibrium.

10 key moments in this video

Purdue Chemistry
https://www.chem.purdue.edu › molecules › ch3co2h

Acetic Acid Formula & Structure

Structural Formula. **CH3CO2H**. acetic acid. Molecular Model. Jmol._Canvas2D (JSmol) ... FileManager.getAtomSetCollectionFromFile(ch3co2h.pdb) //PDB::ch3co2h.pdb.

Reddit · r/chemhelp
10+ comments · 9 months ago

Why is CH3CO2H the second most acidic? : r/chemhelp

I understand how to rank the rest of them based on electronegativity and atom size. And HCL is one of the 7 strong acids. But how does CH3CO2H fit ...
11 answers · Top answer: Gives a resonance stabilized anion so quite acidic.

University of York
https://mcm.york.ac.uk › MCM › species › CH3CO2H

MCM - CH3CO2H

CH3CO2H · Smiles: CC(=O)O · InChI: InChI=1S/C2H4O2/c1-2(3)4/h1H3,(H,3,4) · Mass: 60.052 · Synonyms: acetic -acid; acetic acid; acetic acid-; acetic-acid; ACY ...

Quora
8 answers · 8 years ago

Why is the chemical formula of acetic acid CH3COOH and ...

Why is the chemical formula of acetic acid CH3COOH and not CH3CO2H?
8 answers · Top answer: It is better written as CH3COOH because, the last oxygen and hydrogen atom

8 answers · Top answer: It is better written as CH3COOH because, the last oxygen and hydrogen atom…

People also search for

Ch3 co2h **formula** | **Ethanoic acid formula**

Ch3 co2h **chemical formula** | **Acetic acid common name**

HC2H3O2 | **Acetic acid density**